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JAN 29 2002  
PATENT & TRADEMARK  
DOCUMENT NO.: JICC-0003/JBP528

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:

Shaya et al.

Serial No.: 09/981,516

Group Art Unit: Not Yet Assigned

Filing Date: October 17, 2001

Examiner: Not Yet Assigned

For: INTELLIGENT PERFORMANCE-BASED PRODUCT  
RECOMMENDATION SYSTEM

DATE OF DEPOSIT: 1/17/2002

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*DL Marcus*  
TYPED NAME: David L. Marcus  
REGISTRATION NO.: 46,897

Assistant Commissioner for Patents  
Washington, D.C. 20231

Dear Sir:

INFORMATION DISCLOSURE STATEMENT

Pursuant to 37 C.F.R. §1.56 and in accordance with 37 C.F.R. §§1.97-1.98, information relating to the above-identified application is hereby disclosed. Inclusion of information in this statement is not to be construed as an admission that this information is material as that term is defined in 37 C.F.R. §1.56(b).

- ☒ In accordance with §1.97(b), since this Information Disclosure Statement is being filed either within three months of the filing date of the above-identified application, within three months of the date of entry into the national stage of the above identified application as set forth in §1.491, before the mailing date of a first Office Action on the merits of the above-identified application, or before the mailing date of a first office action after the filing of request for continued examination under §1.114, no additional fee is required.

- ☐ In accordance with §1.129(a), this Information Disclosure Statement is being filed in connection with ☐the first or ☐second After Final Submission, therefore:
- ☐ Certification in Accordance with §1.97(e) is attached; or
- ☐ The fee of \$180.00 as set forth in §1.17(p) is attached.
- ☐ In accordance with §1.97(c), this Information Disclosure Statement is being filed after the period set forth in §1.97(b) above but before the mailing date of either a Final Action under §1.113 or a Notice of Allowance under §1.311, or before an action that otherwise closes prosecution in the application, therefore:
- ☐ Certification in Accordance with §1.97(e) is attached; or
- ☐ The fee of \$180.00 as set forth in §1.17(p) is attached.
- ☐ In accordance with §1.97(d), this Information Disclosure Statement is being filed after the mailing date of either a Final Action under §1.113 or a Notice of Allowance under §1.311 but before, or simultaneously with, the payment of the Issue Fee, therefore included are: Certification in Accordance with §1.97(e); and the submission fee of \$180.00 as set forth in §1.17(p).
- ☐ Copies of each of the references listed on the attached Form PTO-1449 are enclosed herewith.
- ☒ Copies of references listed on the attached Form PTO-1449 are enclosed herewith
- EXCEPT THAT:
- ☒ In view of the voluminous nature of references **AT and AY**, and the likelihood that these references are available to the Examiner, copies are not enclosed herewith.
- ☐ In accordance with §1.98(d), copies of the following references listed on

the attached Form PTO-1449 are not enclosed herewith because they were previously cited by or submitted to the U.S. Patent and Trademark Office in patent application(s) for which a claim for priority under 35 U.S.C. §120 have been made in the instant application:

☐ Copies of references [list as appropriate] listed on the attached Form PTO-1449 were previously cited by or submitted to the Patent and Trademark Office in prior application Serial No. , filed .

☐ If any of the foregoing publications are not available to the Examiner, Applicant will endeavor to supply copies at the Examiner's request.

Please charge any deficiency or credit any overpayment to Deposit Account No. 23-3050.

This form is submitted in duplicate.

There are no listed references which are not in the English language.

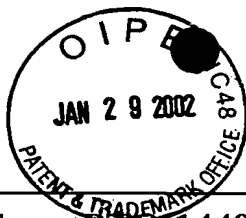
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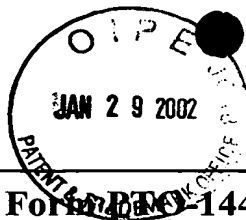


David L. Marcus  
Registration No. 46,897

WOODCOCK WASHBURN LLP  
One Liberty Place - 46th Floor  
Philadelphia, PA 19103  
Telephone: (215) 568-3100  
Facsimile: (215) 568-3439

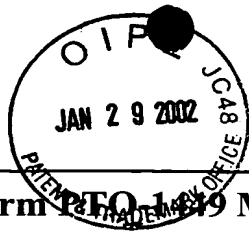


<b>Form PTO-1449 Modified</b>  List of Patent and Publications Cited by Applicant (Use several sheets if necessary)  U.S. Department of Commerce Patent and Trademark Office		Docket No. <b>JJCC-0003/JBP528</b>	Serial No. <b>09/981,516</b>
		Applicant <b>Shaya et al.</b>	
		Filing Date <b>October 17, 2001</b>	Group <b>Not Yet Assigned</b>
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>			
	AA	Alspector, J. et al., "Feature-based and Clique-based User Models for Movie Selection: a Comparative Study, <i>User Modeling and User-Adapted Interaction</i> , 1997, 7, 279-304	
	AB	Baker, A.D. et al., "Internet-Based Manufacturing: A Perspective from the AARIA Project", Working Paper, Enterprise Action Group, Inc., Cincinnati, Ohio, <b>August 12, 1999</b> , 1-12	
	AC	Balabanović, M. et al., "Combining Content-Based and Collaborative Recommendation", <i>Communications of the ACM</i> , 1997, 1-9 <a href="http://citeseer.nj.nec.com/balabanovic97combining.html">http://citeseer.nj.nec.com/balabanovic97combining.html</a>	
	AD	Basu, C. et al., "Recommendation as Classification: Using Social and Content-Based Information in Recommendation", <i>Proceedings of the Fifteenth National Conference on Artificial Intelligence AAAI-98</i> , <b>July, 1998</b> , Madison, WI, 5 pages <a href="http://citeseer.nj.nec.com/basu98recommendation.html">http://citeseer.nj.nec.com/basu98recommendation.html</a>	
	AE	Cohen, W., "Fast Effective Rule Induction", <i>Proc. 12<sup>th</sup> International Conference of Machine Learning (ML-95)</i> , 1995, 9 pages	
	AF	Fahlman, S.E. et al., "The Cascade-Correlation Learning Architecture", In <i>Advances in Neural Information Processing Systems 2</i> , Touretzky, D.S. (Ed.), 524-532, San Mateo, California, 1990, Morgan Kaufman Publishers Inc., 1-12	
	AG	Feldman S.R. et al., "Patients seen in a dermatology clinic have unmet preventive health care needs", <i>J Am Acad Dermatol</i> , <b>Apr 2001</b> , 44(4), 706-9	
	AH	Frankewitsch, T. et al., "Multimedia Explorer: Image Database, Image Proxy-server and Search-engine", <i>roc AMIA Symp</i> , 1999, 765-9	
	AI	Harris, J.M. et al., "Can Internet-based Continuing Medical Education Improve Physicians' Skin Cancer Knowledge and Skills?," <i>J Gen Intern Med</i> , <b>Jan 2001</b> , 16(1), 50-56	
	AJ	Hill, W. et al., "Recommending and Evaluating Choices in a Virtual Community of Use", <i>Proceedings of the CHI-95 Conference</i> , 1995, Denver, Colorado, 17 pages	
<b>EXAMINER</b>		<b>DATE CONSIDERED</b>	



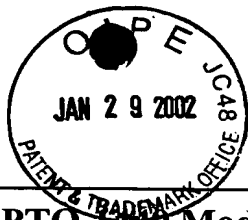
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<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>			
	AK	Hudomalj, E. et al., "Digital library of medical images and video clips", <i>Dermatology Online Journal</i> , <b>1999</b> , 5 pages <a href="http://www.kb.nl.coop/elag/elag99/presentations/hudomalj.html">http://www.kb.nl.coop/elag/elag99/presentations/hudomalj.html</a>	
	AL	Kindler, H. et al., "A Multimedia Database for Dermatology", Cesnik, B. et al. (Eds.), <i>Medinfo</i> , <b>1998</b> , 9(1), 70-4	
	AM	Kindler, H. et al., "Internet-based Physician's Workbench as User Interface for a Central Medical Case Repository", <i>Methods Inf Med</i> , <b>1999</b> , 38(3), 194-9	
	AN	Kosters, W.A. et al., "Understanding customer choice processes using neural networks", In: <i>Proceedings of the First International Conference on the Practical Application of Knowledge Discovery and Data Mining (PADD '97)</i> , <b>1997</b> , 167-178, The Practical Application Company, London, 1997	
	AO	Levy, A.Y. et al., "Intelligent Internet Systems", <i>Artificial Intelligence</i> , <b>2000</b> , 118, 1-14	
	AP	Lin, C. et al., "A Unified Multimedia Database System to Support Telemedicine", <i>IEEE Trans Inf Technol Biomed</i> , <b>Sep 1998</b> , 2(3), 183-192	
	AQ	Palmissano, C. et al., "Geriatric Dermatology in Chronic Care and Rehabilitation", <i>Dermatol Nurs</i> , <b>Apr 2000</b> , 12(2), 116-23	
	AR	Pazzani, M. et al., "Syskill & Webert: Identifying Interesting Web Sites", <i>Proceedings of the Thirteenth National Conference on Artificial Intelligence (AAAI-96)</i> , <b>1996</b> , Portland, Oregon, 54-61	
	AS	Prassas, D. et al., "Dynamic Recommendations in Internet Retailing, <i>eLTRUN (Electronic Trading Research Unit)</i> , Athens University of Economics and Business, 47A Evelpidon & 33 Lefkados Str. 113 62, Athens, Greece, 1-13 <a href="http://www.eltrun.aueb.gr/papers/ecis20011.doc">http://www.eltrun.aueb.gr/papers/ecis20011.doc</a>	
*	AT	Quinlan, J., "C4.5: Programs for machine learning", <b>1993</b> , Morgan Kaufmann Publishers	
	AU	Ramirez, O.M., "High-Tech Facelift", <i>Aesthetic Plas. Surg</i> , <b>1998</b> , 22(5), 318-28	
<b>EXAMINER</b>		<b>DATE CONSIDERED</b>	

\*A copy of this reference will not be forwarded to the U.S. Patent and Trademark Office since it is believed to be too voluminous and easily obtainable by the Examiner.



<b>Form PTO-1419 Modified</b>  List of Patent and Publications Cited by Applicant (Use several sheets if necessary)  U.S. Department of Commerce Patent and Trademark Office		Docket No. <b>JJCC-0003/JBP528</b>	Serial No. <b>09/981,516</b>
		Applicant <b>Shaya et al.</b>	
		Filing Date <b>October 17, 2001</b>	Group <b>Not Yet Assigned</b>
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>			
	AV	Resnick, P. et al., "Recommender Systems", <i>Communications of the ACM</i> , 1997, 40(3), 56-58	
	AW	Sarwar, B. et al., "Analysis of Recommendation Algorithms for E-Commerce", <i>In Proceedings of ACM E-Commerce</i> , 2000, Minneapolis, Minn., 158-167 <a href="http://citeseer.nj.nec.com/article/sarwar00analysis1.html">http://citeseer.nj.nec.com/article/sarwar00analysis1.html</a>	
	AX	Schafer, J., et al., "Recommender Systems in E-Commerce", <i>In ACM Conference on Electronic Commerce</i> , 1999, pp. 158-166, Denver, Colorado, 9 pages <a href="http://citeseer.nj.nec.com/schafer99recommender.html">http://citeseer.nj.nec.com/schafer99recommender.html</a>	
*	AY	Schalkoff, R.J., "Artificial Neural Networks", (McGraw-Hill, 1997)	
	AZ	Schwab, I. et al., "Learning to recommend from positive evidence", in <i>Proc. 2000 Int. Conf. On Intelligent User Interfaces</i> , 2000, pp. 241-247, New Orleans, <a href="http://citeseer.nj.nec.com/schwab00learning.html">http://citeseer.nj.nec.com/schwab00learning.html</a>	
	BA	Shardanand, U. et al., "Social Information Filtering: Algorithms for Automating 'Word of Mouth'", <i>Proceedings of the CHI-95 Conference</i> , 1995, Denver, Colorado, 13 pages	
	BB	Todorovski, L., "Organization and dissemination of multimedia medical databases on the WWW", In: Kokol, P. et al. (Eds.) <i>Medical Informatics Europe '99</i> , Amsterdam: IOS Press, 1999, 557-561	
	BC	van der Putten, P., "Data Mining in Direct Marketing Databases", <i>World Scientific</i> , <b>October 15, 1998</b> , 1-15 <a href="http://citeseer.nj.nec.com/putten98data.html">http://citeseer.nj.nec.com/putten98data.html</a>	
	BD	van Wezel, M.C. et al., "Determining the number of dimensions underlying customer-choices with a competitive neural network", <i>Proceedings of the IEEE International Conference on Neural Networks (ICNN '96)</i> , 1996, 1, 484-490	
	BE	Wainwright, B.D., "Clinically relevant dermatology resources and the Internet: An introductory guide for practicing physicians", <i>Dermatol Online J</i> , Nov 1999, 5(2), 8	
EXAMINERK		DATE CONSIDERED	

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**U. S. PATENT DOCUMENTS**

Examiner Initial		Document No.	Date	Name	Class	Subclass
	BF	5,550,746	08/27/96	Jacobs	364	479.01
	BG	5,583,763	12/10/96	Atcheson et al.	364	551.01
	BH	5,659,666	08/19/97	Thaler	395	21
	BI	5,715,399	02/03/98	Bezos	395	227
	BJ	5,724,258	03/03/98	Roffman	364	525
	BK	5,749,081	05/05/98	Whiteis	707	102
	BL	5,758,095	05/26/98	Albaum et al.	395	202
	BM	5,765,028	06/09/98	Gladden	395	11
	BN	5,790,977	08/04/98	Ezekiel	702	122
	BO	5,796,611	08/18/98	Ochiai et al.	364	420

**FOREIGN PATENT DOCUMENTS**

Examiner Initial		Document No.	Date	Country	Translation	
					YES	NO
	BP	1028386 A2	08/16/00	EP	X	
	BQ	1100134 A2	05/16/01	EP	X	
	BR	95/28806	10/26/95	WO	X	
	BS	98/02836	01/22/98	WO	X	
	BT	98/02837	01/22/98	WO	X	
	BU	98/10697	03/19/98	WO	X	

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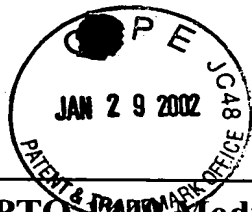
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	BV	5,822,745	10/13/98	Hekmatpour	706	59
	BW	5,825,907	10/20/98	Russo	382	124
	BX	5,839,438	11/24/98	Graettinger et al.	128	630
	BY	5,842,199	11/24/98	Miller et al.	707	2
	BZ	5,845,271	12/01/98	Thaler	706	16
	CA	5,852,815	12/22/98	Thaler	706	16
	CB	5,852,816	12/22/98	Thaler	706	20
	CC	5,960,411	09/28/99	Hartman et al.	705	26
	CD	5,963,949	10/05/99	Gupta et al.	707	100
	CE	5,999,924	12/07/99	Bair et al.	707	4
	CF	6,006,225	12/21/99	Bowman et al.	707	5

**FOREIGN PATENT DOCUMENTS**

Examiner Initial		Document No.	Date	Country	Translation	
					YES	NO
	CG	98/58334	12/23/98	WO	X	
	CH	99/54828	10/28/99	WO	X	
	CI	00/42593	07/20/00	WO	X	
	CJ	00/45302	08/03/00	WO	X	
	CK	00/60522	10/12/00	WO	X	
	CL	00/63837	10/26/00	WO	X	
	CM	01/09701	02/08/01	WO	X	

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<p align="center"><b>Form PTO-1449 Modified</b></p> <p align="center">List of Patent and Publications Cited by Applicant (Use several sheets if necessary)</p> <p align="center">U.S. Department of Commerce Patent and Trademark Office</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; padding: 2px;">Docket No. <b>JJCC-0003/JBP528</b></td> <td style="width: 50%; padding: 2px;">Serial No. <b>09/981,516</b></td> </tr> <tr> <td colspan="2" style="padding: 2px;">Applicant <b>Shaya et al.</b></td> </tr> <tr> <td style="padding: 2px;">Filing Date <b>October 17, 2001</b></td> <td style="padding: 2px;">Group <b>Not Yet Assigned</b></td> </tr> </table>	Docket No. <b>JJCC-0003/JBP528</b>	Serial No. <b>09/981,516</b>	Applicant <b>Shaya et al.</b>		Filing Date <b>October 17, 2001</b>	Group <b>Not Yet Assigned</b>
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**U. S. PATENT DOCUMENTS**

Examiner Initial		Document No.	Date	Name	Class	Subclass
	CN	6,014,639	01/11/00	Fohn et al.	705	27
	CO	6,029,141	02/22/00	Bezos et al.	705	27
	CP	6,064,979	05/16/00	Perkowski	705	26
	CQ	6,064,980	05/16/00	Jacobi et al.	705	26
	CR	6,090,044	07/18/00	Bishop et al.	600	300
	CS	6,101,486	08/08/00	Roberts et al.	705	27
	CT	6,112,192	08/29/00	Capek	705	59
	CU	6,119,093	09/12/00	Walker et al.	705	4
	CV	6,119,100	09/12/00	Walker et al.	705	20
	CW	6,128,599	10/03/00	Walker et al.	705	14
	CX	6,131,087	10/10/00	Luke et al.	705	26
	CY	6,167,383	12/26/00	Henson	705	26
	CZ	6,223,165 B1	04/24/01	Lauffer	705	8
	DA	6,266,649 B1	07/24/01	Linden et al.	705	26
Examiner Initial		Document No.	Date	Country	Translation YES NO	
<b>EXAMINER</b>				<b>DATE CONSIDERED</b>		